

M 5.9, 3km SSW of Santo Domingo Zanatepec, Mexico

Origin Time: 2020-01-05 04:40:49 UTC (Sat 22:40:49 local)
Location: 16.4501° N 94.3597° W Depth: 87.0 km

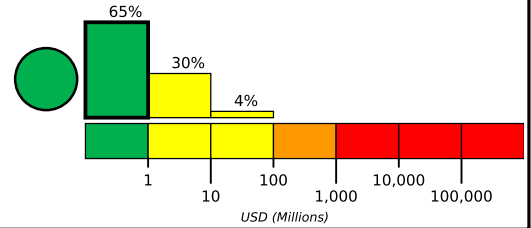
Created: 3 weeks, 5 days after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



Estimated Economic Losses

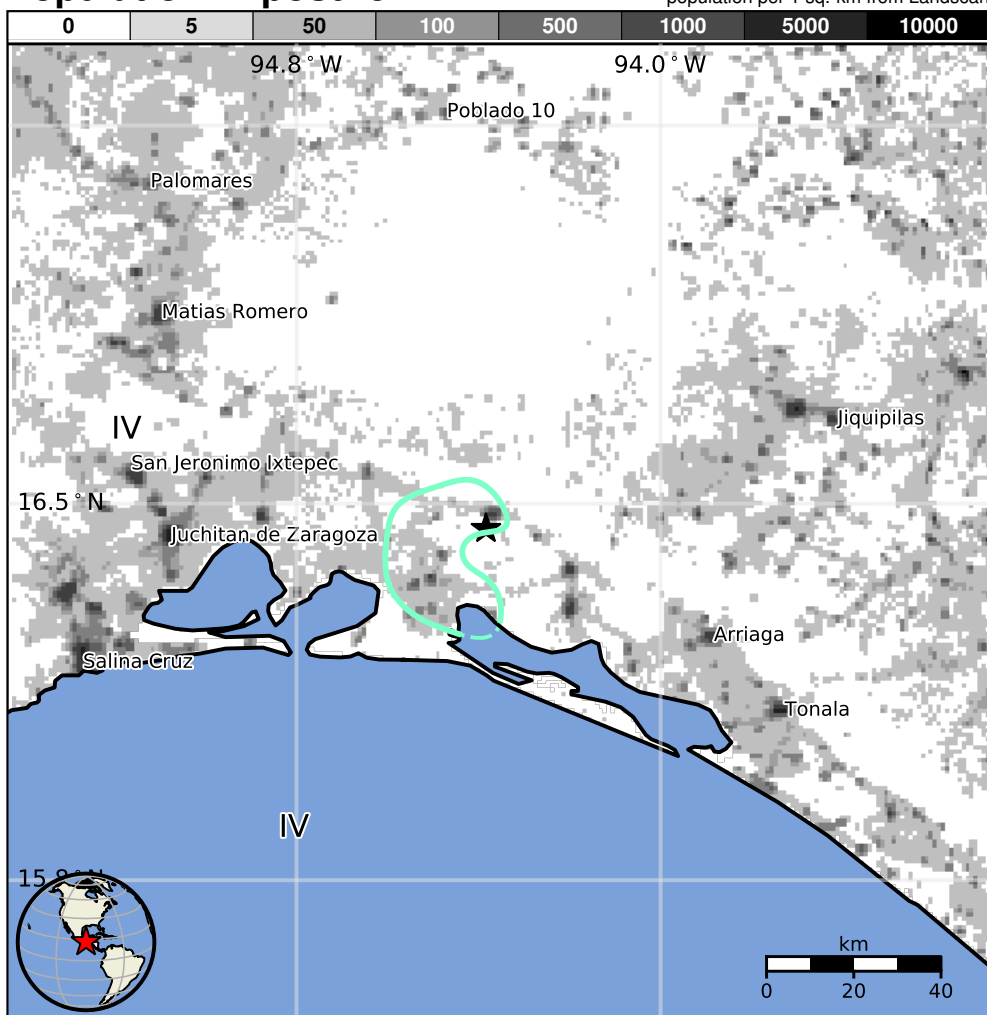


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	1k*	1,132k	56k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block with concrete bond beam construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1994-07-04	360	6.4	V(118k)	2
1975-11-05	171	5.0	VI(21k)	1
1973-08-28	310	7.2	VII(847k)	600

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Santo Domingo Zanatepec	7k
V	San Francisco Ixhuatan	6k
IV	San Pedro Tapanatepec	7k
IV	Chahuíte	10k
IV	Las Amilpas	9k
IV	Niltepec	3k
IV	Juchitan de Zaragoza	68k
IV	Cintalapa de Figueroa	33k
IV	Tonalá	33k
IV	Santo Domingo Tehuantepec	37k
IV	Salina Cruz	74k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.
<https://earthquake.usgs.gov/earthquakes/eventpage/us70006uwq#pager>

bold cities appear on map.

(k = x1000)

Event ID: us70006uwq